

LCD CELL CONSTRUCTION BY MECHANICAL THINNING OF A COLOR  
FILTER SUBSTRATE

ABSTRACT OF THE DISCLOSURE

5 A display device and method for fabricating a liquid  
crystal cell are disclosed. A liquid crystal cell includes  
a first substrate, and a second substrate attached to the  
first substrate. The first substrate has a same thickness  
as the second substrate. The first substrate is lapped at a  
10 first rate while concurrently lapping the second substrate  
at a second rate, which is different from the first rate.  
The first substrate and the second substrate are thinned to  
different thicknesses. The thinner of the first and second  
substrates is provided on a viewer side of a collimate and  
15 post diffuse type liquid crystal cell to reduce  
depixelization.